

**Double Helical DP Sunderland Cutters**

7/1/14

Cutters are in pairs unless otherwise indicated

Hx 22 1/2° TPA 20° NPA 18°35'	Helix 23° TPA 25° NPA 23°14'	Helix 30° TPA 20°	Helix 30° TPA 20° NPA 18°35'	Helix 30° TPA 20° NPA 17 1/2°	Helix 30° TPA 22°48' NPA 18°35'
DP	DP	DP	DP	DP	DP
2	1.5	2.5	8	1	2.75
3	2.5	7		1.25	2.7206
3.5		8		2.5	2.5
4		10		2.75	3
5		12		3	3.5
6		14		3.5	5
7		16		4	6
8				4.5	7.3322
		<b>CDP</b>		5	8
				5.25	9
		2.5		6	10
		7		8	11
		12		9	12
				10	
				11	
				12	
				14	
				16	